

GLAVTCHEVA, L. [Glavcheva, L.]; RANGELOV, P.

Method of determining the formatio reticularis on the
level of mesencephalon in dogs by stereotopic instruments.
Doklady BAN 17 no.2:191-193 '64.

1. Department of Anatomy at the Veterinary School, Sofia,
and the Physiological Institute of the Bulgarian Academy
of Sciences. Submitted by [deceased] Academician D.
Orachovats [Orakhovats, D.].

RANGELOV, P.; IOVCHEV, R

"Introducing the mechanization system in the railroad-car industry, an important condition for increasing labor productivity."

TRANSPORTNO DELO, Sofia, Bulgaria, Vol 11, no. 4, 1959

Monthly List of East Europe Accessions (EEAI), LC, Vol. 3, No. 6, Sept 59
Unclass

KAZAKOV, K.; RANGELOV, R.

On some studies of mica in Bulgaria. Mashinostroene 11 no.2:34-38
F '62

BARBUTOV, G., inzh.; RANGELOV, R.

Cotton insulation of wires, and soaking the windings of oil transformers in lacquer. Mashinostroene 11 no.6:16-22 Je '62.

Manila, Philippines, May 15, 1955.
Mr. J. Edgar Hoover,
U.S. Department of Justice,
Washington, D.C.

SC: Monthly List of the East European Association, (1944) L. Vol. 3, no. 10, Oct. 1956. Incl.

RANGELOVA, M.

Home of the mechanizer.

P. 3, (Mashinizirano Zemedelie) Vol. 8, no. 7, July 1957, Sofia, Bulgaria

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, 11 November 1957

RANGELOVA, M.

RANGELOVA, M. The Dobruja land is blooming. P.34.
Review of the Rumanian periodical Drumul belsuguri (The
Road toward Abundance). P.38

Vol. 11, no. 9, Sept. 1956
KOOPERATIVNO ZEMEDELIE
AGRICULTURE
Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

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RANGELOVA, M. Tsena; a short story. p.36.

Vol. 11, no. 10, Oct. 1956

KOOPERATIVNO ZEMEDELIE

AGRICULTURE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

RANGELOVA, M.

RANGELOVA, M. From gypsy to brigade member. p. 36.

Vol. 11, no. 7, July 1956

KOOPERATIVNO ZEMEDELIE

AGRICULTURE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

RANGELOVA, M.

Achievements of mechanizers in Byala Slatina. p. 11

MASHINIZIRANO ZEMEDELIE. Vol. 7, No. 6, June 1956

Sofiya, Bulgaria

So. East European Accessions List

Vol. 5, No. 9

September, 1956

RANGE VA, M.

Examination of the achievements. p.3. MASHINIZIRANO ZEMEDELIE.
(Ministerstvo na zemedeliето) Sofia. Vol. 5, no. 8, Aug. 1956

SOURCE: East European Accessions List, (EEAL), Library of
Congress, Vol. 5, no. 12, December 1956

ZEMELIY, M.

The example set by the people of General Toshevo. p.5.
MASHINILIRANO ZEMEDELIS. (Ministerstvo na zemedeliets)
Sofia. Vol. 7, no. 1, Aug. 1956

SOURCE: East European Accessions List, (EEAL), Library
of Congress, Vol. 5, no. 12, December 1956

BUDEVSKI, E.; DZHAMBASOVA, M.; KAISHEVA, A.; RANGELOVA, N.

Mechanism of the reduction of chromate ions as tested in
drop mercury electrode. Izv Inst fiz khim 2:131-144 '62.

BULGARIA/Microbiology - Antibiosis and Symbiosis. Antibiotics.

F-2

Abs Jour : Ref Zhur - Biol., No 10, 1958, 43212

Author : Rangelova, S., Toshkov, A.

Inst :

Title : Effect of Streptomycin on Formation of Agglutinins in
Cholera Vibrios.

Orig Pub : Tr. Respubl. n.-1. in-t epidemiol. i mikrobiol., 1956,
3, 83-84.

Abstract : No abstract.

Card 1/1

IVANOV, N.; NIKOLOVA, Z.; GROMKOVA, R.; ARABADZHIYEVA, TS. [Arabadzhieva, TS.]; MANEV, D.; RANCELOVA, S.

Dynamics of the titers of the antibodies of influenza amidst the population in Bulgaria, 1959-1960. Trudy epidemiol mikrobiol 8: 105-109 '61 [publ.'62].

RANGELOVA, S.; VELEV, V.; PEYEVA, Z. [Peeva, Z.]; NOYEVA, K. [Noeva, K.]

Specific properties of gamma globulins, prepared by the Scientific
Research Institute for Epidemiology and Microbiology. Pt. 3.
Trudy epidemiol mikrobiol 8:117-120 '61 [publ. '62].

RANGELOVA, S.; IVANOV, N.

Antiepidemic and serologic effectiveness of the Salk vaccine.
Trudy epidemiol mikrobiol 8:111-115 '61 [publ.'62].

1. A. DIMITROV, G.

"Virus of the most dangerous infectious diseases in the world." p. 34,
(ZORAVNO BULO, No. 6, No. 5, Oct. 1954, Sofia, Bulgaria)

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4,
No. 5, May 1955, Uncl.

TOSHKOV, Ag.; IVANOV, V.; SOBEVA, V.; GANCHEVA, TSv.; RANGELOVA, St.;
TOIEVA, V.

Antibacterial, antiviral, antitoxic and cytopathogenic properties
of protoanemonin and anemonin. Antibiotiki 6 no.10:918-924 0 '61.

1. Nauchno-issledovatel'skiy institut epidemiologii i mikrobiologii,
Sofiya, Bolgariya.
(ANEMONIN) (PROTOANEMONIN)

TOSHKOV, As.; IVANOV, V.; SUBEVA, V.; GANCHEVA, Tsv.; RANGELOVA, St.; TONEVA, V.

Antibacterial, antiviral, antitoxic, and cytopathogenic properties of protoanemonins and anemonins. Trud Khim-farmatse., inst 4:78-79 '63.

RANGULOVA, St.

SOURCE (in caps); Given Names

Country: Bulgaria

Academic Degrees: not indicated

Affiliation: not indicated

Source: Sofia, Khizana, No 2, Mar/Apr 61, pp 43-45

Data: "The Serologic Efficacy of the Live Trivalent Polio Vaccine."
(Report read at the 6th Symposium on Live Polio Vaccines
held in Moscow in May 1960)

Co-authors:

KRUSTEV, T., Sofia
IVANOV, N. "

RANGELOVA-DIMITROVA, St.

Diffusion of poliomyelitis in Bulgaria. Vop.virus 2 no.6:359-
362 N-D '59. (MIRA 13:5)

1. Institut epidemiologii i mikrobiologii, Sofiya.
(BULGARIA--POLIOMYELITIS)

ANDONOV, P.; IVANOV, N.; RANGELOVA, St.; NIKOLOVA, Z.; RUSAKYEV, M.;
GROMKOVA, R.

The use of serological investigations in studying the epidemiology of
some virus infections in Bulgaria. J. hyg. epidem., Praha 5 no.2:
146-152 '61.

1. Scientific Research Institute of Epidemiology and Microbiology, Sofia.

(VIRUS DISEASES immunology)

- [illegible]

VERBEV, P.; RAINGLOVA, St.; IVANOV, N.; GUBEV, E.

Considerations on the epidemiology of infantile paralysis in Bulgaria.
Nauch. tr. vissh. med. inst. Sofia 40 no.3:107-128 '61.

1. Predstavena ot prof. P. Verbev, rukovoditel na Katedrata po epidemiologiya i infektsiozni bolesti.

(POLIOMYELITIS epidemiol)

TANEV, Iv.; POPOV, An.; TODOROV, M.; ZHELIAZKOV, S.; SHUBAROV, K.;
RANGELOVA, St.; LIUTSKANOV, St.

Differential diagnosis of suspected cases of poliomyelitis. Nauch.
tr. vissh. med. inst. Sofia 40 no.3:147-160 '61.

1. Predstavena ot prof. P. Verbev, rukovoditel na Katedrata po infektsio-
zni bolesti i epidemiologia. Direktor na klinikata: prof. Iv. Tanev.

(POLIOMYELITIS diag)

RANGELOVA, St.; KRUSTEV, T.; VASILENKO, S.; TODOROV, I.

Studies on the effectiveness of live antityphoid vaccine in Bulgaria. Suvr. med. 13 no.6:18-25 '62.

1. Iz Nauchno-izsledovatel'skii institut po epidemiologii i mikrobiologii (Direktor Vl. Kalaidzhiev).
(TYPHOID PARATYPHOID VACCINES)

RANGELOVA, St., D-r. kand. na meditsinskie nauki

The Fourth International Symposium on Live Antipoliomyelitis Vaccine
in Moscow. Spisaniye BAN 5 no.3:52-58 '60. (EEAI 10:5)
(POLIOMYELITIS)

RANDEN, N. G. 1970/1971.

Efficient positioning of connections between two main neural entries.
Jgdl' 70 no. 6:70 1e '66. (MIRA 13:7)

1. Shakhits "Tachitay" tresha Cherenkovskii'.

RANIAK, Jozef; HELCMANOVSKY, Ondrej

Connectors for cords with aluminum core, types AHTS and AHSS.
Elektrotechnik 17 no.12:339-342 D '62.

1. SEZ, n.p., Krompachy.

RANIAN, J.

Connecting low-voltage apparatus with aluminum conductors. p. 381.
ELEKTROTECHNIK, Prague, Vol. 10, no. 12, Dec. 1955.

SO: Monthly List of East European Accessions, (EE/L), LC, Vol. 5, no. 6 June 1956,
Uncl.

"New roller switch."

Elektrotechnik, 1954, Vol 9, No 1, Jan 1954, p. 22

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lit. of Congress

PANIC, D.

A comparative manometric method for measuring the density of liquids. p. 187.
(GEODETSKI LIST, Vol. 11, no. 1/2, Jan./Feb. 1957, Yugoslavia.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

HANIECKA-BOBROWSKA, J.

GEOGRAPHY & GEOLOGY

PERIODICAL: KWARTALNIK GEOLOGICZNY. Vol. 1, No. 2, 1957

HANIECKA-BOBROWSKA, J. A few plant fossils from the Upper Silesian Tortonian.
p. 275

Monthly List of East European Agassions (SEAI) LC. Vol. 6, No. 5,
~~May 1959~~, Unclass.

April

RANIECKA-BOBROWSKA, Jadwiga

Remarks on the preparation of items for spore-pollen analysis.
Przeł geol 10 ■ a.10:532-533 0 '62.

1. Instytut Geologiczny, Warszawa.

RANIECKA-BOBROWSKA, J.

GEOGRAPHY & GEOLOGY

PERIODICALS: KWARTALNIK GEOLOGICZNY. Vol. 2, no. 1, 1958

RANIECKA-BOBROWSKA, J. Flora of Poland's Middle and Upper Miocene as reflected by research in the last twelve years. p. 161.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

RANIECKI, B.

Thermal shock on the boundary of an elastic-plastic semi-infinite body. Proceed vibr probl 5 no.4:319-347 '64.

1. Department of Vibrations of the Institute of Basic Technical Problems of the Polish Academy of Sciences, Warsaw.

8

L 64691-65 EWT(d)/EWP(w)/EWA(d) EM

ACCESSION NR: AP5012194

PO/0095/65/013/002/0117/0126

AUTHOR: Raniecki, B. (Ranetskiy, B.)

TITLE: Quasi-static, spherically symmetric problem of thermoplasticity

SOURCE: Polska Akademia Nauk. Bulletin. Serie des sciences techniques, v. 13, no. 2, 1965, 117-126

TOPIC TAGS: mathematic analysis, elasticity theory, temperature dependence

ABSTRACT: A method based on strain theory is proposed for solving the quasi-static problem of thermoplasticity at a given temperature on the surface of a spherical cavity for elastoplastic bodies where the time-dependence of the thermoplasticity varies. The effect of acceleration is disregarded, therefore the results may be used only for temperature fields which vary slowly with time. In the case of temperature fields produced by thermal shocks, the solutions of dynamic problems approach those of quasi-static problems after a sufficiently long period of time. For this reason, the solutions of quasi-static problems can be of great help in the solution of dynamic problems since they give some qualitative information on the properties of the regions being studied (e.g. the existence of loading and unloading regions and their time-dependence). Since the shape of the regions is general-

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ly complicated, some difficulties are encountered even in solving a quasi-static problem so that the solution cannot always be obtained in a closed form. In this paper, the solution in each region is reduced to finding a finite number of integrals. The functions determining the boundaries of the regions are given either as functional equations, or in the form of a system of equations in which one is a differential equation of the first order solved for one derivative and the other is a functional equation. The physical constants are assumed to be independent of the temperature. By way of example, the author considers a case in which the surface temperature of the cavity first increases linearly and then remains constant. In a future paper a solution will be given for the dynamic problem. Orig. art. has: 6 figures, 1 table, 38 formulas.

ASSOCIATION: Zaklad badania drgan, Instytut podstawowych problemow techniki, PAN
(Department of Vibrations, Institute of Fundamental Technical Problems, PAN)

SUBMITTED: 00

ENCL: 00

SUB CODE: MA, ME

NO REF SOV: 001

OTHER: 002

dm
Card 2/2

L 36168-66 EWP(w) IJP(c) EM/WW

ACC NR: AP6017889

SOURCE CODE: PO/0097/65/006/004/0379/0399

AUTHOR: Raniecki, B. (Warsaw)

ORG: Department of Vibrations, IBTP, Polish Academy of Sciences

TITLE: Spherical thermoplastic stress waves

SOURCE: Proceedings of vibration problems, v. 6, no. 4, 1965, 379-399

TOPIC TAGS: stress wave, thermoplastic stress wave, deformation theory, plastic deformation

ABSTRACT: The characteristics of thermodynamic ²⁶ ⁴⁶ stress waves have been investigated on the basis of the theory of deformation. It has been assumed that a thermal shock on the surface of a spherical cavity in an infinite elastic-plastic body causes this phenomenon. This paper is a matter continuation of Raniecki's study (B. Raniecki, Thermal shock on the boundary of an elastic-plastic semi-finite body, Proc. Vibr. Probl., 4, 5 (1964)). As in that study, the linear strain theory has been used, as well as the physical constants and the parameters independent of temperature and a Prandtl-type body. It has been proven that the existing region of primary plastic deformations is of no major practical importance. By applying the Riemann method and by introducing

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L 36168-66

ACC NR: AP6017889

the displacement of potential, the solution in the regions of finite stress waves leads to a determination of definite number of integrals. The method of networks is used for the investigating other regions. The author concludes that the solution of the quasi-static problem can be applied with virtually sufficient accuracy if the only purpose is the investigation of stresses in the regions of plastic strain. Orig. art. has: 76 formulas, 11 figures, and 1 table. [Based on author's abstract] [AM]

SUB CODE: 20/ SUBM DATE: 24Apr65/ ORIG REF: 003/ OTH REF: 001/
SOV REF: 001/

Card

2/20/65

STOROZHEV, Nikolay Fedorovich; BANIGE, M.Yu., redaktor; SMOAL', A.I.,
retsensent; VITASHKINA, S.A., redaktor izdatel'stva; KRASHAYA,
A.K., tekhnicheskii redaktor

[Determining strains in connections between ships during
towing] Opredelenie usilii v svyaziakh mezhdu sudami pri
tolkanii. Moskva, Izd-vo "Rechnoi transport," 1956. 177 p.

(MLBA 10:4)

(Towing)

CHMEL, L.; SVOJODOVA, Y.; RANINCOVA, A.

1st case of chromomycosis in the Czechoslovakian SSR. Cesk.
derm. 38 no.3:145-150 Ja '63.

1. Dermato-venerologicka klinika a Vyskumne mykologicke labora-
torium Lekarskej fakulty UK v Bratislave, prednosta prof. dr.
L. Chmel Dermato-venerologicka klinika Lekarskej fakulty
UJEvP v Brne, prednosta prof. dr. J. Horacek,
(CHROMOBLASTOMYCOSIS)

KONRAD, Bohuslav; RANINGOVA, Anna

PAS-positive substances in lichen ruber planus and psoriasis vulgaris. Cesk.derm.34 no.6:374-378 D '60.

1. Dermatovenerologicka klinika lekarske fakulty University v Brne, prednosta prof.dr. Jaroslav Horacek.
(LICHEN PLANUS diag)
(PSORIASIS diag)

PANINCOVA, Anna

Studies on proteinases in the human epidermis. Cesk. dermat. 36 no.1:
45-50 F '62.

1. Dermatovenerologická klinika lékařské fakulty J. Ev. Purkyně v
Brně, přednosta prof. dr. J. Horáček.
(PROTEASES chemistry) (SKIN chemistry)

CHMEL, L.; RANINCOVA, A.

Biological and histological study of skin inflammation after
p-bromophenylisothiocyanate. Cesk. dermat. 38 no.1:11-15 F '63.

1. Dermatovenerologicka klinika Lekarskej fakulty UK v Bratislave,
prednosta prof. dr. L. Chmel.
(DERMATITIS MEDICAMENTOSA) (DERMATOMYCOSIS) (THIOCYANATES)

RAMINCOVA, A.

Effect of p-bromophenylisothiocyanate on the cathepsin endopeptidase activity in the skin. Cesk. dermat. 38 no.1:16-18 F '63.

1. Dermatovenerologická klinika Lékařské fakulty UK v Bratislavě,
prednosta prof. dr. L. Chmel.
(SKIN) (THIOCYANATES) (PEPTIDE PEPTIDOHYDROLASES)

RANINSKAYA, Yu.I., inzh.-tekhnolog.

Changes in the roe during the manufacture of pressed caviar.
Trudy VNIRO 35:70-83 '58. (MIRA 11:11)

1. Laboratoriya metodov kontrolya i standartizatsii rybnykh
produktov Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo
rybnogo khozyaystva i okeanografii.
(Caviar)

RANINSKAYA, Yu. I., Cand Tech Sci -- "Study of the process
of preparation and ^{pac}conservation of pressed ^{CP-4500}caviar of stur-
geon ~~fish~~." Len, 1961. (Kaliningrad Tech Inst of the Fish
Industry and Economy) (KL, 3-61, 248)

RANINSKAYA, Yu.I. [Ranyrs'ka, IU.I.]

Development of sterilization methods for canned fish. Khar. prot.
no.2:47 49 Ap-Je '65. (MIRA 18:5)

5 1 171-07 HMF(1)/HMF(1)/HMF(1)
ACC NR: AP6016790 (A)

SOURCE CODE: UR/0415/35/000/011/0071/0075

AUTHOR: Raninskiy, G. (Lieutenant Colonel)

28

ORG: None

TITLE: Coping with disrupted railway communications

SOURCE: Tyl i snabzheniye sovetskikh vooruzhennykh sil, no. 11, 1965, 71-75

TOPIC TAGS: transportation vulnerability, railway transportation, inland waterway transportation, transport aircraft, transportation equipment, armed forces logistics, nuclear warfare, pipeline transportation system, *RAILWAY BRIDGE*

ABSTRACT: Railway transportation has been, and will continue to be, the primary transportation medium for military equipment. Since it is, the primary enemy objective will be to attack large railroad junctions, stations, bridges, tunnels, and other structures, in order to disrupt rail traffic. Various ways and means of coping with damage caused by enemy action are discussed. A great deal of this work must be done by railway engineer troops, so they have recently been reorganized and furnished with modern equipment in order to meet modern day requirements. Railway engineer troops built a railway bridge using NZhM-56 ferry boats during training. They have PKK gantry cranes that can drive two piles simultaneously. Bridge spans are lifted into place with an SRK 30-40 cantilever crane. A KrAZ-214 truck, when put on rails, can develop traction of up to 400 tons, and can be used in placing bridge supports and

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1. 10774-57

ACC NR: AP6016790

spans. River transportation can be used to move men and equipment across water obstacles. The river craft can be used either to build a floating bridge or as ferries. The MTU tank-bridge or the KMM mechanized tread bridge can be used to move the vehicles from the shore onto the ferries. POL can be moved across a water barrier in trucks or boats, or by laying a pipeline across the river. The pipelaying operation is discussed in some detail. Aircraft and helicopters can also be used for hauling high priority cargo across a water barrier. It is concluded that only the complete utilization of all of the various types of transportation will enable the Soviet Union to overcome barriers along the routes of communication and provide uninterrupted supply for combat troops in a nuclear war.

SUB CODE: 15, 13/SUBM DATE: None

Card 2/2 *lrv*

STRUMTE, P.I., kand. tekhn. nauk, otv. red.; ZAGORSEYAYA, Ye.P.,
kand. tekhn. nauk, nauchn. red.; RANIS, A.A., red.;
STUL'CHIKOVA, N.P., tekhn. red.

[Industrial safety and the improvement of working conditions in the merchant marine] Tekhnika bezopasnosti i ulusheniye uslovii truda na morskoy flote. Leningrad, Izd-vo "Morskoy transport," 1963 96 p. [Issued "instead of" Its: Trudy, no.40] (MIRA 16:12)

(Merchant marine--Safety measures)

(Merchant seamen--Diseases and hygiene)

STRUMPE, P.I., otvetstvenny red.; NOVIKOV, A.F., kand.tekhn.nauk, nauchnyy red.; RANIS, A.A., red.; TOTOK, A.G., red.; DROZHEINA, L.P., tekhn. red.

[Preserving pile timbers from marine borers and rotting] Antiseptirovanie gidrotekhnicheskogo svainogo lesa protiv morskikh drevotochtsev i gnieniya. Leningrad, Izd-vo "Morskoi Transport," 1958. 84 p. (Leningrad. Tsentral'nyi nauchno-issledovatel'skii institut morskogo flota. Trudy no.18) (MIRA 11:11)

(Wood--Preservation)

(Piling (Civil engineering))

RANISAVLJEVIC, B.

The problem of atypical acid-fast mycobacteria in the diagnosis of tuberculosis. Vojnosanit Pregl. 20 no.10:666-668 0 '63.

JEVRIC, Sava, sanitetski potporučnik, dr.; RANISARJEVIC, Lora, sanitetski
poručnik, dr.; KRAMT-BOJOVIC, Danica, sanitetski potporučnik, dr.;
VEKJANOVSKI, Cvetko, viši medicinski tehničar.

Studies on the lipoprotein index in tuberculous diseases. Vojno-
sanit. pregl. 21 no.9:555-560 S 1961

1. Vojni ATD, Beograd; Vojni Institut za TBC, Beograd.

JANKOV, Mirko, Dr.; RANISAVLJEVIC, Bora

Vitality of Mycobacterium tuberculosis on Lowenstein's medium.
Tuberkuloza, Beogr. 8 no.3-4:203-206 May-Aug 56.

1. Institut za tuberkulozu NR Srbije, Beograd (direktor: prof.
dr. M. Grujic).

(MYCOBACTERIUM TUBERCULOSIS, culture

Lowenstein's medium, vitality in dry & moist cond. (Ser))

(CULTURE MEDIA,

Lowenstein's medium, vitality of M. tuberc. in dry &
moist cond. (Ser))

MEUT, D.; AVRAMOV, R.; RANISAVLJEVIC, E.

Lipoproteins in tuberculous patients. Tuberkuloza 16 no.5:
372-377 S-D '64

1. Vojni institut za tuberkulozu (Nacelnik: puk. prof. dr.
M. Tucakovic); Biohemijski institut Farmaceutickog fakulteta u
Beogradu (Sef: prof. dr. I. Berkes).

RANISAVLJEVIC, Bora.

Apical tuberculosis and a new concept of the pathogenesis of tuberculosis related to lipid metabolism disorders. Tuberkuloza. 61 no.5:416-426 S-D '64.

1. Vojni Institut za tuberkulozu (Nacelnik: puk. prof. dr. Mirko Tucakovic).

RANISZWESKI, Jozef (Warsaw)

Model test of a vibration-impact system. Proceed vibr probl 3 no.3:
273-284 '62.

VORONCOV, Lav, inz.; SILHARD, Vladimir, inz.; JELENIC, Jernej, inz.;
RANISAVLJEVIC, Toma, inz.; KLANCNIK, Mario, inz.

Main features and conclusion of the discussion. Kem ind 12
no.4:254-263 Ap '63.

1. Savjetnik Jugoslavenskog gradevinskog centra, Beograd (for
Voroncov). 2. Savjetnik i republicki gradevinski inspektor SRH,
Zagreb (for Silhard). 3. Sef projektantske grupe za hidrotehnicke
radove montaznog poduzeca "Pobeda", Beograd (for Ranisavljevic).

TASOVAC, Borivoje; MENADIC, Rajko; RISTIC, Jovan; JAKOVILEV, Dusan;
BOSKOVIC, Radosav; RANITOVIC, Spasoje

Acute viral encephalitis and meningoencephalitis in Pozarevac.
Clinical forms, analysis of cases, prognosis, therapy. Srpski
arh. celok. lek. 42 no.111-22 Ja '64

1. Dede odeljenje Bolnice "Dr. Voja Dulic" u Pozarevcu (Sef:
prim.dr. Rajko Menadic).

TASOVAC, Borivoje; NENADIĆ, Rajko; RISTIĆ, Jovan; SAKOVIĆ, Ljiljana;
BOSKOVIĆ, Radoslav; RANILAVIĆ, Spasoje

Acute viral encephalitis and meningoencephalitis in Pozarevac.
Epidemiology. Clinical picture. Changes in the cerebrospinal
fluid and blood. Srpski arh. celok. lek. 91 no.12:1117-1127
D '63.

1. Decije odeljenje Bolnice "Dr. Voja Bulic" u Pozarevacu (Sef:
prim. dr. Rajko Nenadic).

RANIYETS, A.

"Wages under socialism." I.N.Chigvintsev; "Wages in a socialist society."
E.I.Kapustin. Reviewed by A.Raniets. Sots.trud.no.3:126-127 Mr '56.
(Wages) (MLRA 9:7)

K. Cazafura; PAVKO, D.; SIRCA, F.; KERSNIC, Viktor, prof. dr. inz.;
KOSAK, K.; GRAFENAUER, S.; PODGORNIK, A.; KERNC, J.; DOBOVISEK,
Bogomir, docent, dr. inz.; OCEPEK, Drago, docent, dr. inz.;
HOMAN, A.; MARCEC, M.; RANKEL, J.; CRNIVEC, M.; SMAJIC, N.;
CUCEK, I.; KERSNIC, V., ml.; VODOPIVEC, F.

New books. Rud met zbor no. 2:144-187 '63.

1. Glavni urednik, "Rudarsko-metalurski zbornik" (for Viktor Kersnic).
2. Clani Uredniskega odbora, "Rudarsko-metalurski zbornik" (for Dobovisek and Osepek).

Country : Yugoslavia

h-22

Author :

Doc. Code. :

47117

Author : Ocepek, D.; Rankel, J.

Institut. :

Title : Coal Crushing as a Concentration Process

Orig. Publ. : Rud.-metal. zst., 1958, No. 2, 187-196

Abstract : It is noted that ready comminution is an important technical characteristic of coal, depending on a number of factors (hardness, tenacity, fissuration, etc.). Rapid determination of comparative ease of comminution of a number of coal varieties is possible by grinding of samples of the same particle size in some grinding machine, which permits at the same time to form an opinion concerning the advisability of utilizing selective comminution. It is stated as an example that tests have shown that in the case of Kosov lignite the associated rock is more readily crushed than the coal, while on the other hand the lignite of Tavnik deposit

Card: 1/2

Summary : Yugoslavia H-22
Category :
Abs. Jour. : 47117
Author :
Institut. :
Title :
Orig Pub. :

Abstract : is more readily crushed than the admixed rock. This has made it possible to effect concentration of the above-stated lignites by simple crushing followed by screening; thus it was possible to attain, at a low cost, a decrease of the ash content by 10-14% in comparison with that of the run-of-mine coal. -- G. Bonvech.

Card: 2/2

RANKIN, R.A.

On the representation of a number as the sum of any number of squares,
and in particular of twenty. Acta arithmetica 7 no.4:399-407 '62.

1. University, Glasgow, Scotland.

Matematicheskaya teoriya dvizheniya neupravlyemykh raket
(Mathematical theory of the motion of unguided rockets) Gosinoizdat,
Moscow, 1951, 160 pp.
Translation of the paper "Mathematical theory of the motion of rotated
and unrotated rockets, "Roy. Soc. Phil. Trans., Ser. A, Vol. 241, No.
837, March 23, 1949, pp. 457-525.

~~RANKIN, B. A.~~; RUBASHOV, A.N. [translator]; KOGAN, B., redaktor; GERASIMOVA,
Ye., tekhnicheskiiy redaktor

[Mathematical theory of the motion of rotated and unrotated rockets.
Translated from the English by A.N.Rubashov] Matematicheskaya teoriya
dvizheniya nepravylyakh raket. Perevod s angliiskogo A.N.Rubashova.
Moskva, Izd-vo inostrannoi lit-ry, 1951. 159 p. [Microfilm] (MLRA 8 3)
(Rockets (Aeronautics))

ANXII, T.

Air research with the magnetometer. Tr. from the English. p. 151.
MST, Praha, Vol. 3, no. 3, May 1958.

SO: Monthly List of East European Accessions, (MEAL), LC, Vol. 1, no. 10, Oct. 1955,
Uncl.

ACCESSION NR: AR3000172

S/0274/63/000/004/A044/A044

SOURCE: RZh. Radiotekhnika i elektrosvyaz', Abs. 4A271

AUTHOR: Rankis, G. Zh.

TITLE: Reduction of the problem of determination of the field of dielectric antenna to the intrinsic problem of electrodynamics

CITED SOURCE: Uch. zap. Rzhsk. politekhn. in-t, v. 7, 1962, 85-107

TOPIC TAGS: dielectric antenna; resonator; electrodynamics

TRANSLATION: Excitation of a dielectric antenna is considered as a problem involving a resonator with nonuniform nonhomogenous contents. The solution is sought by the method of equivalent sources. In order that the two problems be equivalent it is necessary that the medium filling the resonator have some conduction. A study is made of the conditions at which the field of elementary source in the resonator coincides, with a

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ACCESSION NR: AR3000172

sufficient degree of precision, with the field of elementary source in free space. A study is made of the error in determination of the field by the proposed method at a known difference in fields of elementary sources. The finding of radiation pattern and input resistance of dielectric antenna is reduced to the resolution of a system of linear algebraic equations. It is expeditious to utilize electronic computers for performing the calculations. Orig. art. has: 10 references. B. P.

DATE ACQ: 16May63 ENCL: 00

SUB CODE: 00

Card 2/2

L 8539-65 EWT(1)/EEC-4/EEU(t)/EEC(b)-2/FCS(k) Pac-4/Pac-2/P1-4/Pj-4/P1-4
 AS(mp)-2/ASD(a)-5/AFTC(b)/ESD(c)/ESD(gs)/ESD(t) WR
 ACCESSION NR: AR4044062 8/0058/63/000/011/H018/H018

SOURCE: Ref. zh. Fizika, Abs. 11Zh148

AUTHOR: Rankis, G. Zh.

TITLE: The question of the influence of excitation conditions on the directional properties of dielectric antennas *SB*

CITED SOURCE: Uch. zap. Rzhsk. politekhn. in-t, v. 10, 1963, 51-58

TOPIC TAGS: dielectric antenna, dielectric waveguide, directional property, metallic waveguide, radiation, excitation condition

TRANSLATION: Investigates the influence of the radiation of the junction from a metallic waveguide to a dielectric waveguide on the directional pattern of a dielectric antenna. To solve the problem there is proposed an investigation of an idealized model. The electric field inside the dielectric antenna excited in section S_0 is approximated by the expression $E_x = E(y) \exp(-j k_z z) \exp(j \omega t)$, where $E(y) = a E_0(y)$.

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ACCESSION NR: AR4044062

$E_0(y)$ is the field on surface S_0 , while axis Z coincides in direction with the axis of the antenna. Such an approximation makes it possible to investigate the influence of the exciting field on surface S_0 , and also of the additional phase shift ψ between this field and the natural wave of the dielectric antenna. The expression, obtained under these assumptions, for the directional pattern contains a term that determines the influence of direct radiation of the origin of the antenna on the directional pattern. As calculations show, the influence of the antenna origin is reflected, first, in a change of the level of the first lateral lobe of the directional pattern; this influence will be strongest for ψ equal to 0 or π . This theory is used to help explain the role of the dielectric insert that improves the directional pattern of a dielectric antenna.

SUB CODE: EC

ENCL: 00

Card 2/2

L 31914-66 EWT(1) WR
ACC NR: AP6010728 SOURCE CODE: UR/0142/66/009/001/0097/0104

AUTHOR: Rankis, G. Zh.

ORG: none

TITLE: Principal factors determining the directional pattern of a dielectric antenna 75B

SOURCE: IVUZ. Radiotekhnika, v. 9, no. 1, 1966, 97-104

TOPIC TAGS: ~~dielectric antenna, directional pattern~~ antenna directivity, antenna radiation pattern, dielectric property, antenna

ABSTRACT: Integral equations are used for analyzing the directional pattern of a dielectric antenna. Additional factors are identified and evaluated which determine the difference between the directional pattern of a real dielectric antenna and that of an idealized TW linear antenna; these factors are: direct radiation of the transition element, field near the transition element, antenna-end

Card 1/2

UDC: 621.396.677.75

L 8538-65 EWT(1)/EEC-4/EWA(h) RAEM(a)/AFETR/ASD(a)-5/AFTC(b)/ESD(c)/ESD(gs)/
ACCESSION NR: AR4044061 ESD(t)/RAEM(t) 8/0058/63/000/011/H018/H018

SOURCE: Ref. zh. Fizika, Abs. 11Zh147

AUTHOR: Rankis, G. Zh.

TITLE: Excitation parameters of dielectric waveguides and their experimental determination

CITED SOURCE: Uch. zap. Rzhsk. politekhn. in-t, v. 10, 1963, 39-49

TOPIC TAGS: waveguide, dielectric waveguide, excitation parameter, circuit, quadripole, dielectric antenna

TRANSLATION: There is offered a method of measurement of the equivalent parameters of the junction between open and closed transmission lines which is a modification of the method of the short-circuiting plunger and to a certain extent is analogous to the method of a symmetric transformer used to measure parameters of extraction of energy of superhigh-frequency instruments and matching transformers. When in closed and open waveguides there propagate only the lowest types of waves,

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L 8538-65

ACCESSION NR: AR4044061

the junction is replaced by an equivalent circuit in the form of a quadripole with losses associated with radiation at the place of transition. The circuit consists of two cascaded quadripoles one of which is purely reactive. The dissipative part of the second quadripole corresponds to radiation of a space wave, while the reactive part characterizes the transforming properties of the junction. At different positions of the short-circuiting plunger, at the input of the physically symmetric structure is measured the coefficient of reflection, the values of which are plotted on a clock diagram of total resistances. The mapped circle thus obtained with four characteristic points serves to determine the elements of the scattering matrix of the quadripole. With the help of a similar method are investigated the properties of the excitation device of a rectangular tubular dielectric antenna.

SUB CODE: EC

ENCL: 00

Card 2/2

BULGARIA / Diseases of Farm Animals. General Problems.

R

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7418

Author : Georgiyev, Ranko

Inst : Ministry of Agriculture and Forestry

Title : Physiological Anisocytosis in Some Domestic Animals
and an Experience in Employing It in Clinical
Diagnosis

Orig Pub : Nauchni. tr. M-vo zemed. i gorite. Ser. zhivotnov"-
dstvo i vet. delo, 1957, 2, No 1, 41-48

Abstract : Anisocytosis as an indicator of blood changes in
various physiological conditions and pathological
processes is hardly utilized in veterinary practice.
In order to determine the level of anisocytosis, it
is expedient to use methods of variation statistics.
By determining the average diameter of erythrocytes,
the displacement of the variation curve of erythrocyte

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FULGARIA / Diseases of Farm Animals. General Problems.

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7418

sizes to the left (microcytosis) or to the right (macrocytosis) is established. The average diameter of erythrocytes in horses amounts to 5.07 - 5.5, in cattle to 5.67 - 6.18, in sheep to 4.08 - 4.38, in goats to 3.02 - 3.29 μ m. The physiological anisocytosis of horses is to be found within the limits of a square variation of 0.41 - 0.48, of cattle within 0.45 - 0.54 and of goats within 0.25 - 0.29. Higher deviations than those to be found within the limits mentioned above, should be considered as pathological anisocytosis which in a number of cases accompanies pathological conditions of the animals' organism. Thus in horses microcytosis without anisocytosis was observed when jaundice (4 cases) was present, in pleuropneumonia (17 cases) anisocytosis with a tendency to macrocytosis, and in strangles

Card 2/3

BULGARIA / Diseases of Farm Animals. General Problems.

R

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 7413

(4 cases), a typical anisocytosis. The most typically manifested anisocytosis is found in calves with leptospirosis. Macrocytosis without anisocytosis was established in sheep with severe distomatosis. --
I. Ya. Panchenko

Card 3/3

RANKO, Laszlo, dr.

Evaluation of industrial accidents in the agricultural cooperatives
in the district of Szabolcs-Szatmar, Hungary, in 1961. Nepegeszségügy
44 no.4:108-109 Ap '63.

1. Kozlemeny a Szabolcs-Szatmar megyei Szakszervezeti Tarsadalombiztositasi
Alkozponttal.

(ACCIDENTS, INDUSTRIAL) (AGRICULTURAL WORKERS' DISEASES)
(STATISTICS)

PA 34T98

RAN'KO, YU. I.

USSR/Physics
Dust - Dispersion
Dust - Measurements

Jun 1947

"Experimental Investigation of the Influence of the
Dispersion of Dust on the Resistance to Movement of the
Air," Yu. I. Ran'ko, 8 pp

"ZhurTehn Fiz" Vol XVII, No 6

By a simple method it is shown: 1) that the increase
of general resistance of the tested apparatus came
about in connection with the introduction of some dust
in the form of a layer of circulating particles placed
perpendicularly to the direction of movement of the
air; 2) the magnitude of this resistance depends upon

34T98

USSR/Physics (Contd)

Jun 1947

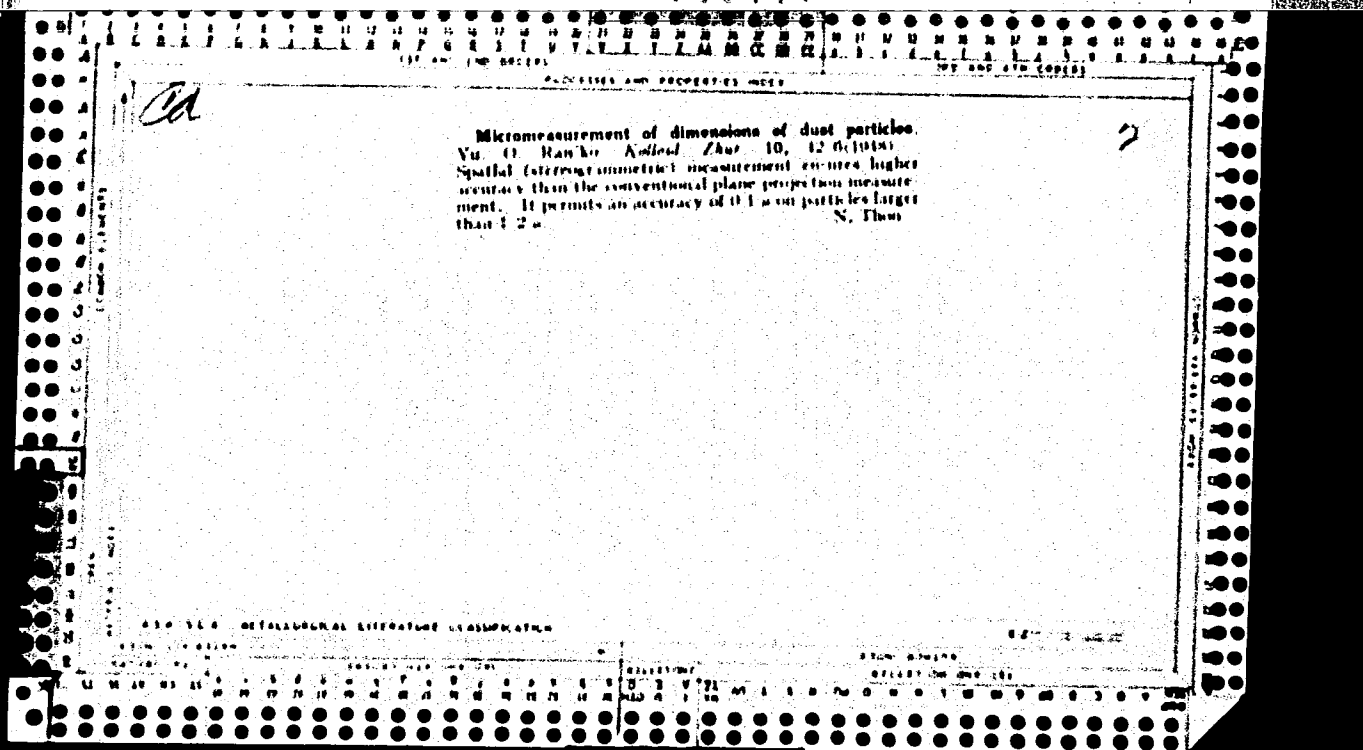
the friction of the current of the air or the surface
of dispersed material, both in the layer of particles
settled on a filter and in the layer of circulating
dust which has been introduced into the air; 3) the
magnitude of this resistance depends mainly upon the
amount and dimensions of the particles of dust. This
dependence is described by a curve in the general ex-
ponential form.

713

34T98

MAN'KO, Yu. G.

Mr. of a lab., Sci. Res. Inst. Industrial & Sanitary Gas Purification, -1947-.
"Experimental Investigation of the Influence of Dispersion of Dust on the Resistance
to Movement of the Air," Zhur. Tekh. Fiz., 17, No. 6, 1947; "Micromasurement of the
Sizes of Dust Particles," Kolloid Zhur., 10, No. 1, 1948.



PANKOV, Asen

Multispindle drill. Kurvonebel prom 6 no.5:37-38 S-O '63.

1. Rabotnik v DIP "23 dekanvri", Sofia.

RANKOV, B.; DUBOV, E.; SAVITSKY, V.

Electroretinographic studies of diabetes. Dokl. Bolg. akad. nauk
18 no.7:687-689 '65.

1. Submitted on February 2, 1965.

RANKOV, B.

Microbiological characteristics of solonchak soils in the
drained Nesebur Bog and Karabcaz Lowland. Izv Inst "Nikola
Pushkarov" 4:239-262 '62.

RANKOV, B.; DABOV. St.

Electroretinography in inflammation of the uvea. Dokl. Bolg.
akad. nauk 17 no.1:85-87 '64

1. Vorgelegt von Akademiemitglied D. Oranovats.

VASILEV, Iv.; RANKOV, B.; PIPERKOVA, Sl.; BANALIEVA, St.

Ophthalmologic studies in some settlements of the Pleven
District. Izv Inst khranene BAN 3:203-210 '64.

L 30206-66

ACC NR: AP6020320

SOURCE CODE: EU/0011/65/018/007/0687/0689

AUTHOR: Rankov, B.; Dubov, S.; Gavriysky, V.

ORG: Clinic of Ophthalmology, Institute of Post-Graduate Specialization of Physicians;
Department of Physiology, Georgi Dimitrov Higher Institute of Physical Education

TITLE: Electroretinographic studies of diabetes

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 7, 1965, 687-689

TOPIC TAGS: eye, endocrine system disease, medical equipment, diagnostic medicine, ophthalmology

ABSTRACT: Eye lesions caused by diabetes (particularly of the retina) are due to vascular lesions as explained recently from the morphological point of view. The clinical application of electroretinography (ERG) in this ailment is of great significance primarily on account of the fact that the diabetic cataract usually does not permit a precise assessment of the fundus oculi by the use of other methods. In view of the small number of ERG cases reported (only 127), the authors studied the ERG changes in diabetic patients classifying them according to Vizet's 4 stages in the development of diabetic retinopathy. Results covering 46 persons show that in cases of diabetic retinopathy ERG depends on the degree and spread of the retinal lesions. It provides objective information about the condition of the retina even when the

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L 30206-66

ACC NR: AP6020320

latter cannot be examined on account of dark spots in the lens and vitreous body. The electreretinogram is in this manner of both diagnostic and prognostic significance. This paper was presented by Corresponding Member BAI D. Mateev on 2 February 1965. Orig. art. as: 1 table. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUM DATE: 02Feb65 / OTH REF: 002 / SOV REF: 001

Card 2/2

CC

RANKOV, Boian, G.; DUBOV, Stoimen

Effect of naphthalene on the eye; congenital experimental cataract induced by naphthalene. Izv. Mikrob. inst., Sofia no.8:373-382 1957.

1. Sektsia za oftalmologiya (zav: akad. konstantin pashev) na instituta za klinichna i obshchestvena meditsina (dir.: akad. Tsv. Kristanov) pri ban.

(NAPHTHALENE, eff.

induction of cataract in newborn rabbits after maternal admin.
(Bul))

(CATARACT, exper.

naphthalene-induced in newborn rabbits after maternal admin.
(Bul))

STOILOV, L.; RANKOV, G.; SPASOV, St.

Characteristic indexes and composition of the oil in certain
varieties of sunflower cultivated in various regions of Bulgaria.
Izv Inst khim BAN no.8:193-197 '61.

RANKOV, Georgi G., inzh.

Some critical notes respecting the article "Production of lamellar (mosaic) parquet" by [inzh.] Anton Mikhailov. Durvomebel prom 5 no.2:22-26 Mr-Apr '82

1. Durzhavno industrialno predpriatie "Furnir - Parket", Sofia.

RANKOV, Vasil

Soil microorganisms and nitrogen cycle in nature. Biol i khim
8 no.1:1-8 '65.

1. Maritsa Scientific Research Institute of Vegetable Culture,
Plovdiv.

BULGARIA/Chemical Technology. Chemical Products
and Their Applications. Fermentation
Industry.

H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 21203

Author : Rankoff, G., Popoff, A., Jovtscheff, A.

Inst : AS Bulgaria.

Title : The Determination of Methyl Alcohol in a
Mixture of Ethyl Alcohol and Water in the
Presence of Other Volatile Substances.

Orig Pub : Dokl. Bol. AN, 1958, 11, No 1, 49-52

Abstract : It was established that the method for
determining small quantities of CH_3OH (I)
in mixtures of $\text{C}_2\text{H}_5\text{OH}$ (II) with water,
mainly in vodkas, in the presence of signi-
ficant quantities of CH_3CHO of volatile

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BULGARIA / Chemical Technology. Lacquers. Paints. H-30
Coatings.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 79677.

Author : Rankoff, G., Popoff, A., Tschobanoff, D.

Inst : ~~Bolg.~~ AN.

Title : The Investigation of a Bulgarian Tallol in Re-
spect to its Possible Use as A Base For Prepar-
ing Varnishes and Drying Oils.

Orig Pub: Dokl. Bolg. AN, 1957, 10, No 6, 469-472.

Abstract: Tallol (I) was subjected to a double vacuum dis-
tillation (pressure of 1 milliliters of Hg) with
the isolation of 3 fractions: to 200°C., from
200-210°C. and 210-220°C. The fractions obtain-
ed and the crude I were esterified with glycer-
ine and were then polymerized in a stream of car-
bon dioxide at 280-300°C. to a viscosity of 3-4

Card 1/2